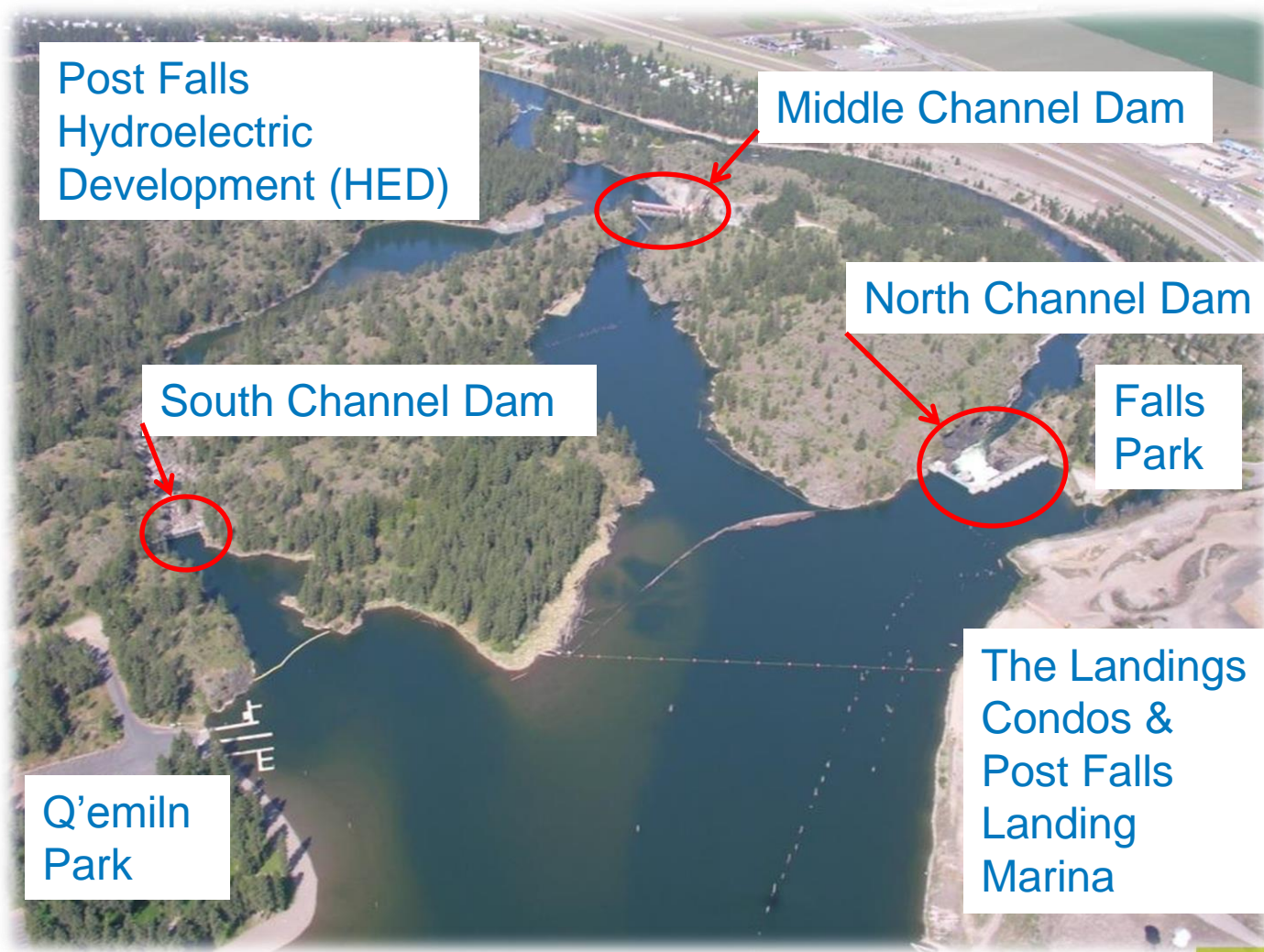


Post Falls HED South Channel Dam Spillway Gates Replacement Project

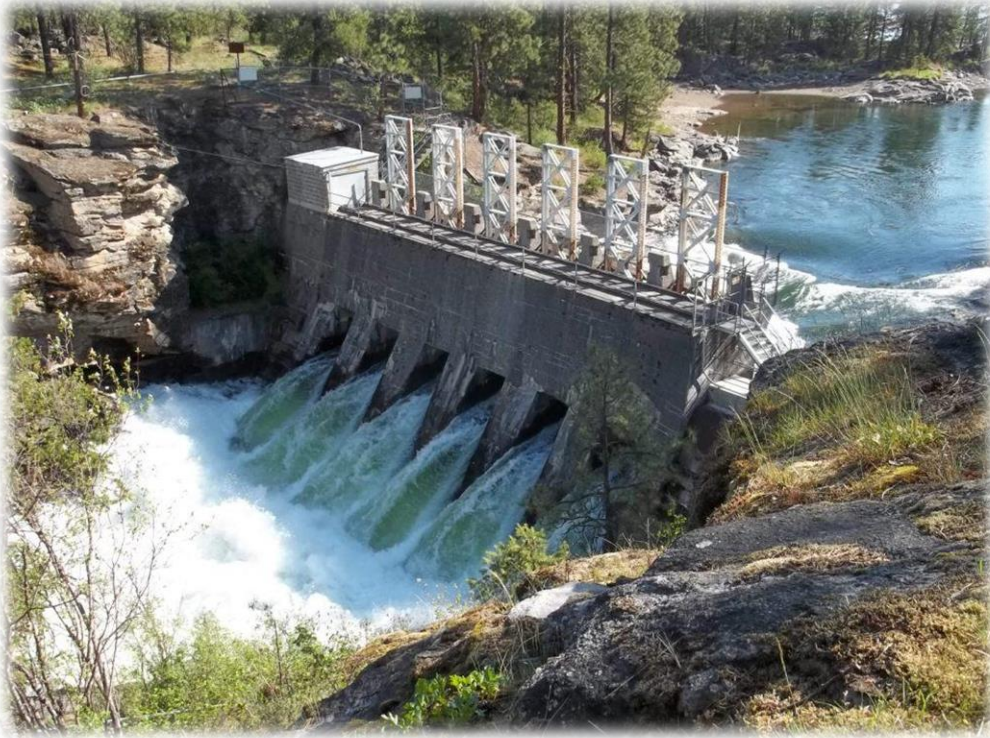
Northwest Hydro Operators Forum Presentation
May 20, 2015
Mary Jensen, PE

General Project Location



Existing South Channel Dam and Gates

- Constructed in 1906
- Original concrete and gate frames
- Manual rack and pinion hoist



FERC Compliance

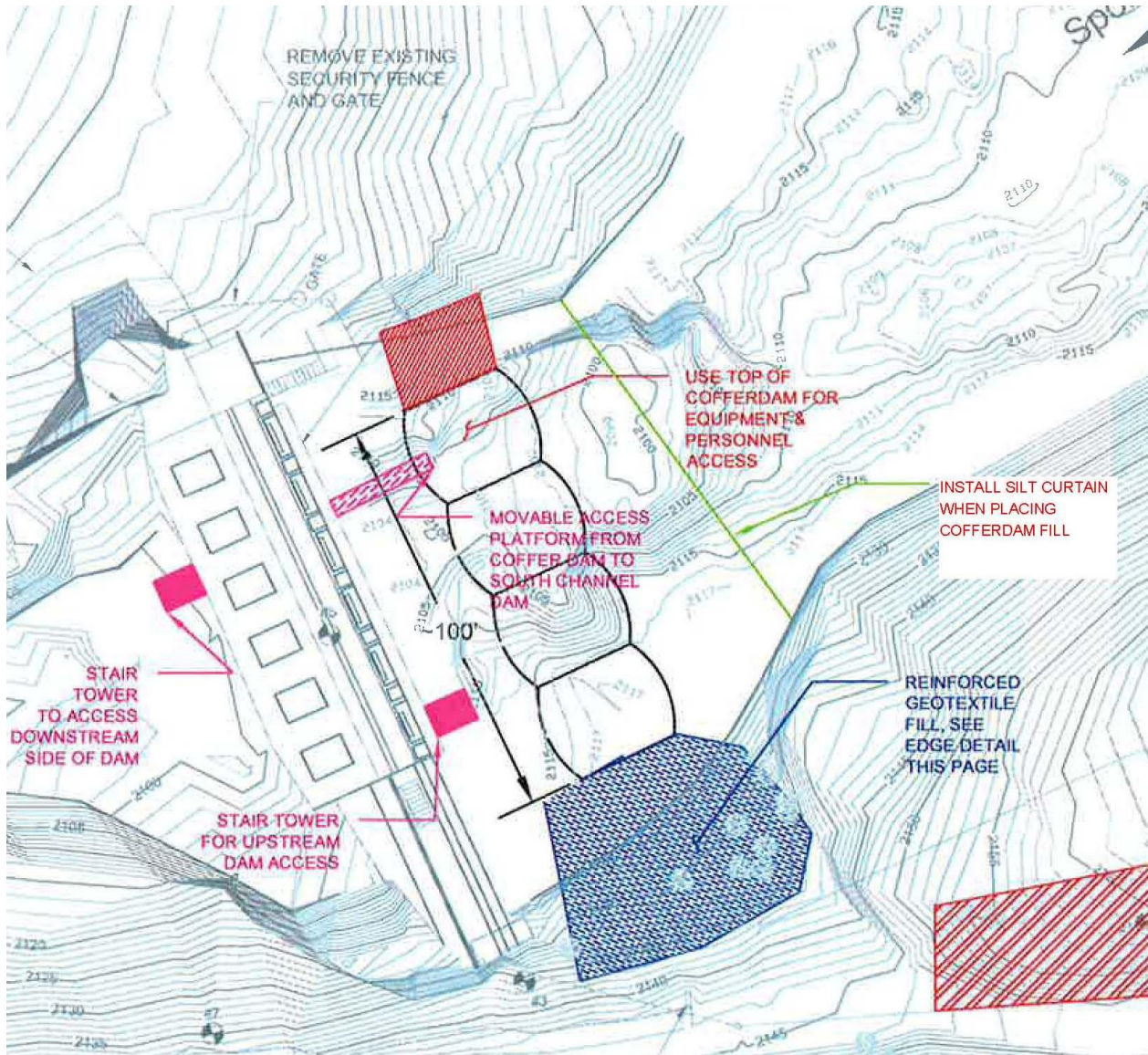


Construction Schedule

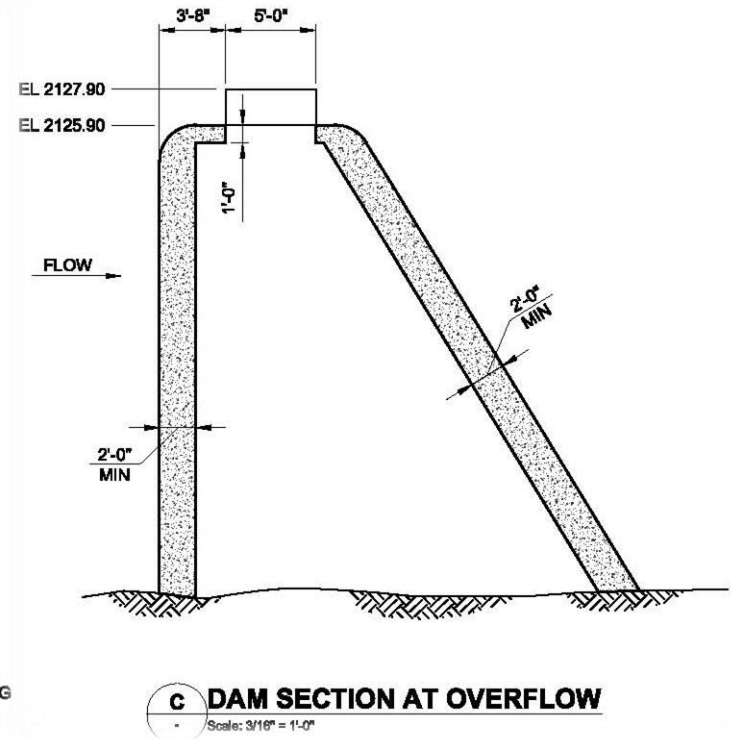
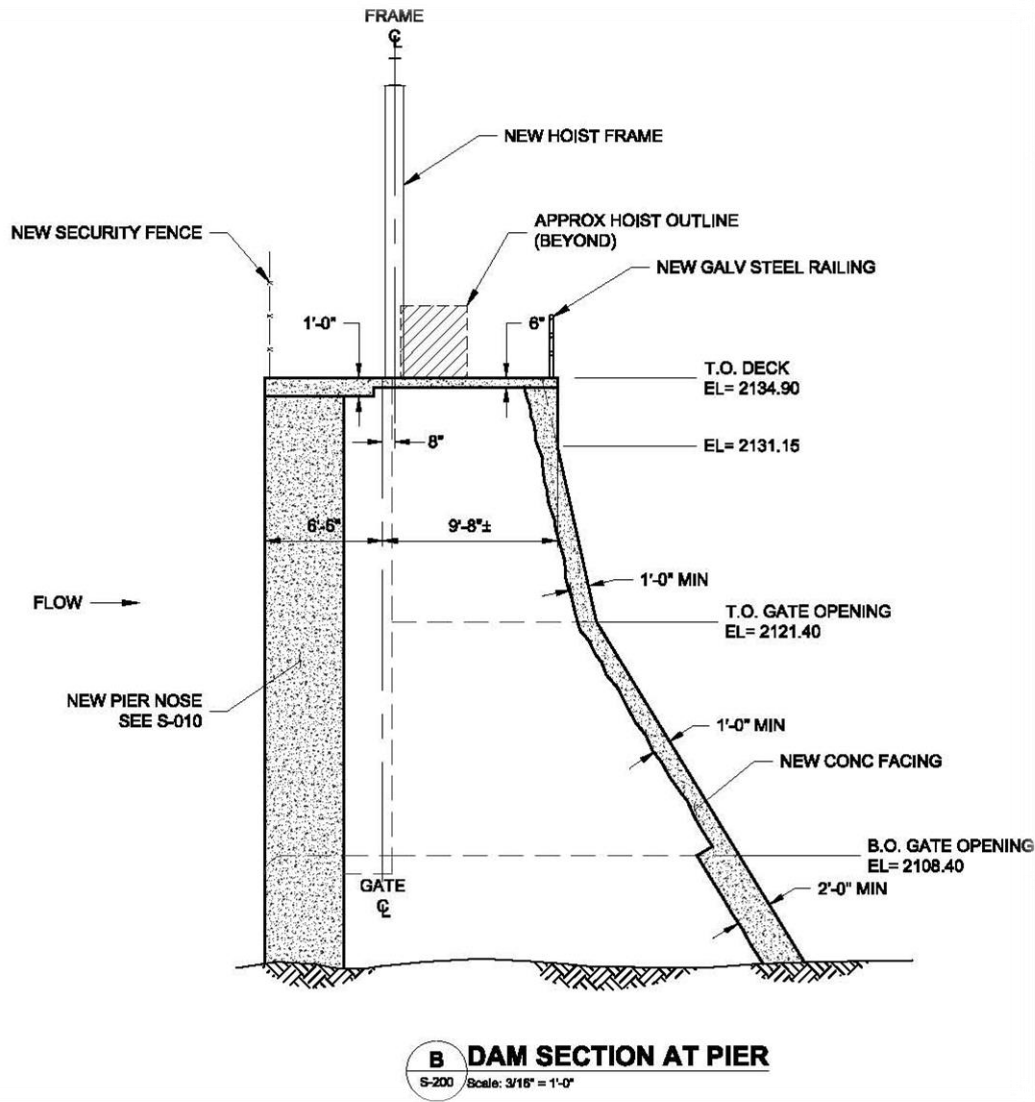
- May 2014 – Mobilization
- July - September 2014 – Build cofferdam
- October - December 2014 – Demolition (concrete & existing gates/hoists)
- January – May 2015 – Concrete repair
- May 2015 – Install/Commission gates & hoists
- June – July 2015 – Remove cofferdam
- Summer/Fall 2015 – Landscaping and asphalt repair

Estimated Total Cost = 13.5 Million Dollars

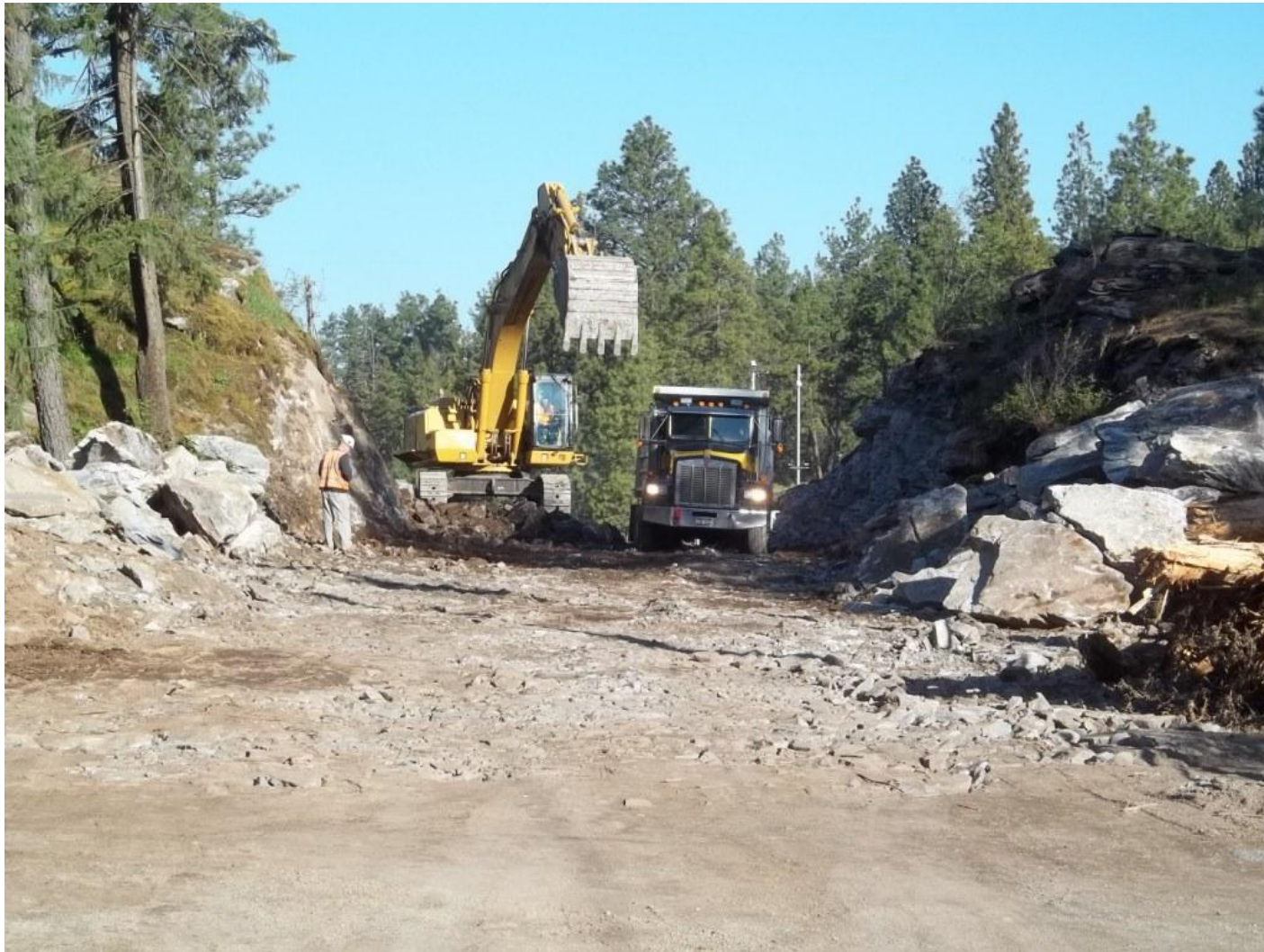
Cofferdam Design



Repair of Concrete Facing







Yes, we told you we wouldn't flood the crane pad...



Diver work always takes twice as long...









Metals? What metals...









No seriously, we found a grenade...







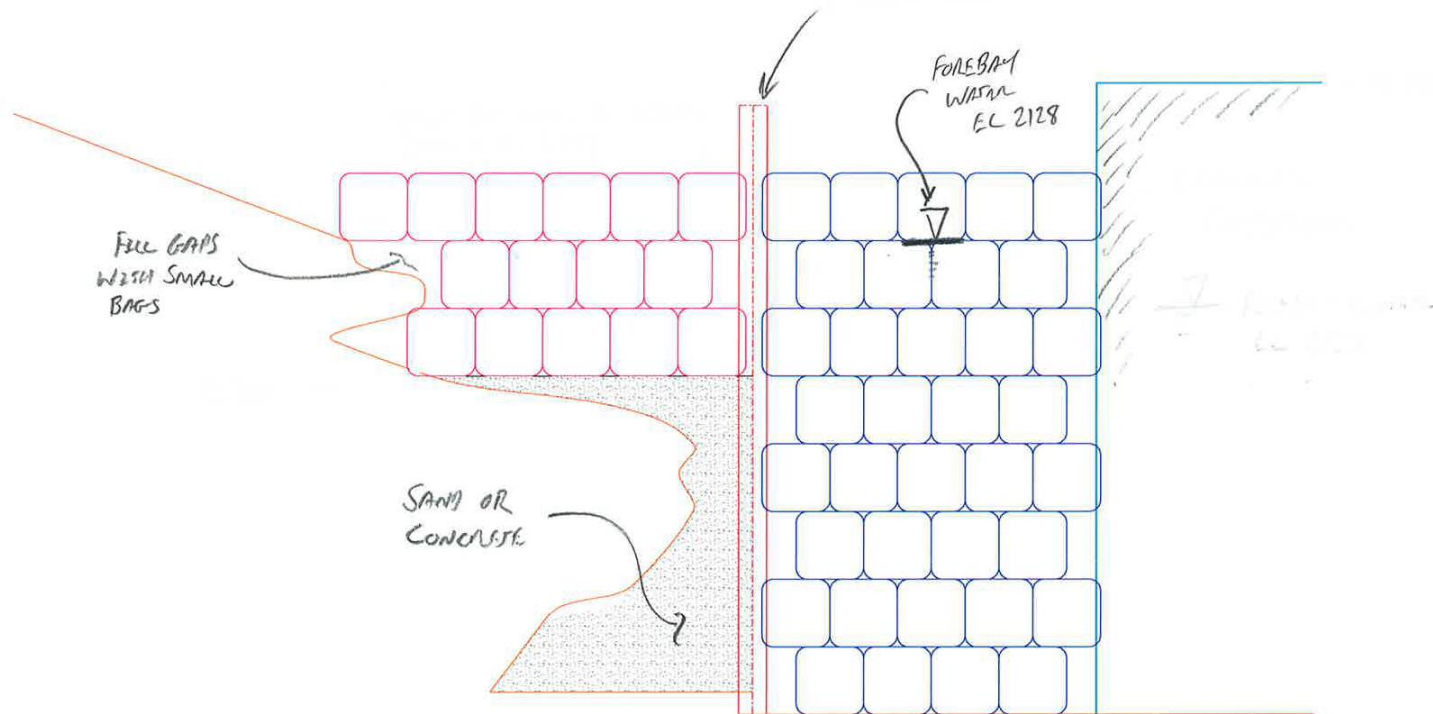






Mary, don't worry, things will get worse...







Yes, we are finally dewatering; wait a minute...



Seepage diversion pipe...



You might not want to stand there...









What? You are demoing the tunnel floors with a power washer...



I said don't demo the piers with PT anchors...



Wait, the tunnel ceilings are too high...







And last but not least...



Questions?

